

IH 43: STH 100 TO SILVER SPRING DR (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	332	0.0	OFF	332	0	0.00	0	65.8	65.8	65.8
1-2 AM	191	0.0	OFF	191	0	0.00	0	66.0	66.0	66.0
2-3 AM	160	0.0	OFF	160	0	0.00	0	66.1	66.1	66.1
3-4 AM	177	0.0	OFF	177	0	0.00	0	66.1	66.1	66.1
4-5 AM	415	0.0	OFF	415	0	0.00	0	65.6	65.6	65.6
5-6 AM	1143	0.0	OFF	1143	0	0.00	0	64.3	64.3	64.3
6-7 AM	2629	0.0	OFF	2629	0	0.00	0	59.6	59.6	59.6
7-8 AM	3485	0.0	OFF	3485	0	0.00	0	50.8	50.8	50.8
8-9 AM	3327	0.0	OFF	3327	0	0.00	0	52.4	52.4	52.4
9-10 AM	2691	0.0	OFF	2691	0	0.00	0	58.9	58.9	58.9
10-11 AM	2539	0.0	1499	1953	586	12.62+	328	60.5	12.6	31.8
11AM-NOON	2695	0.0	1499	1493	1202	15.79+	405	58.9	10.6	30.8
NOON-1PM	2839	0.0	1499	1491	1348	15.71+	405	57.4	10.6	30.8
1-2 PM	2840	0.0	1499	1492	1348	15.70+	405	57.4	10.6	30.8
2-3 PM	3035	0.0	1499	1494	1540	15.60+	405	55.4	10.6	30.8
3-4 PM	3279	0.0	OFF	3279	0	2.21	124	52.9	33.3	33.3
4-5 PM	3456	0.0	OFF	3456	0	0.00	0	51.1	51.1	51.1
5-6 PM	3449	0.0	OFF	3449	0	0.00	0	51.2	51.2	51.2
6-7 PM	2721	0.0	OFF	2721	0	0.00	0	58.6	58.6	58.6
7-8 PM	1893	0.0	OFF	1893	0	0.00	0	62.8	62.8	62.8
8-9 PM	1471	0.0	OFF	1471	0	0.00	0	63.7	63.7	63.7
9-10 PM	1389	0.0	OFF	1389	0	0.00	0	63.8	63.8	63.8
10-11 PM	1137	0.0	OFF	1137	0	0.00	0	64.3	64.3	64.3
11PM-MID	801	0.0	OFF	801	0	0.00	0	64.9	64.9	64.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

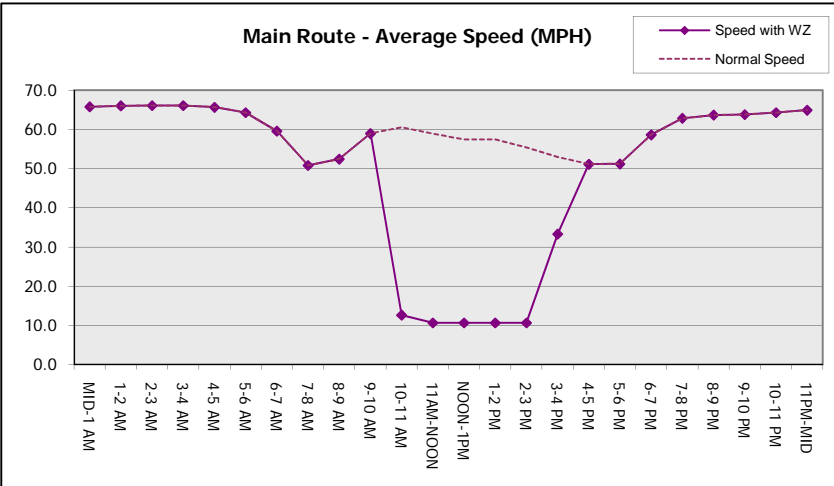
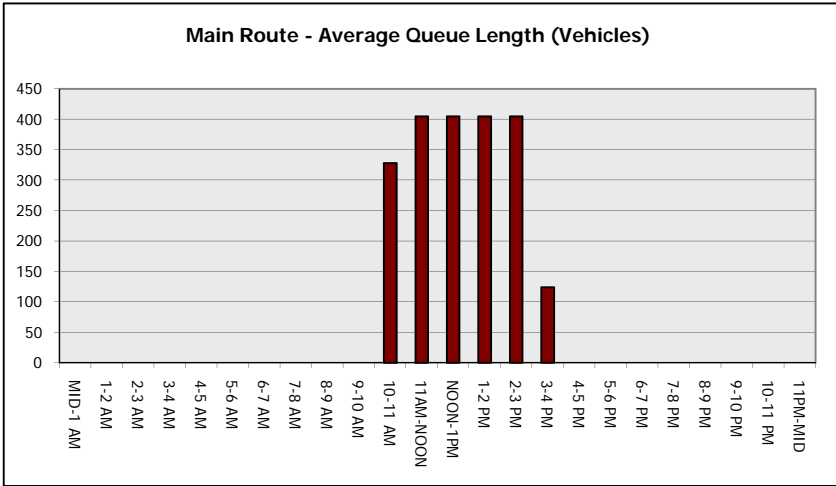
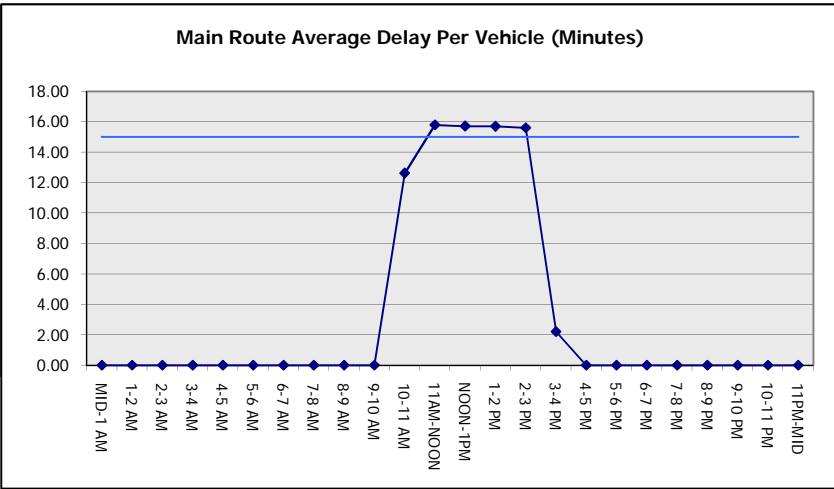
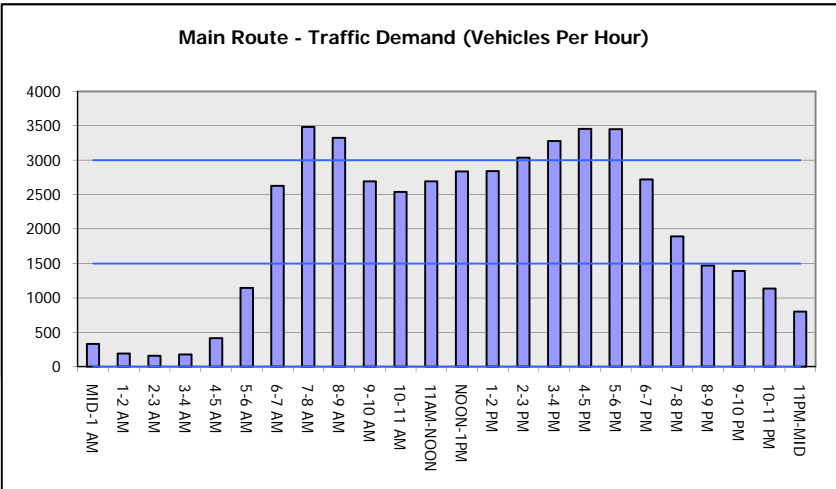
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0253
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0073
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,158
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	540	0.0	OFF	540	0	0.00	0	65.4	65.4	65.4
1-2 AM	301	0.0	OFF	301	0	0.00	0	65.8	65.8	65.8
2-3 AM	229	0.0	OFF	229	0	0.00	0	66.0	66.0	66.0
3-4 AM	237	0.0	OFF	237	0	0.00	0	66.0	66.0	66.0
4-5 AM	343	0.0	OFF	343	0	0.00	0	65.8	65.8	65.8
5-6 AM	861	0.0	OFF	861	0	0.00	0	64.8	64.8	64.8
6-7 AM	1904	0.0	OFF	1904	0	0.00	0	62.8	62.8	62.8
7-8 AM	2523	0.0	OFF	2523	0	0.00	0	60.7	60.7	60.7
8-9 AM	2878	0.0	OFF	2878	0	0.00	0	57.0	57.0	57.0
9-10 AM	2515	0.0	OFF	2515	0	0.00	0	60.7	60.7	60.7
10-11 AM	2689	0.0	1499	1914	775	12.82+	333	58.9	12.4	33.2
11AM-NOON	3075	0.0	1499	1498	1576	15.58+	406	55.0	10.6	30.8
NOON-1PM	3238	0.0	1499	1500	1738	15.48+	406	53.3	10.6	30.8
1-2 PM	3381	0.0	1500	1500	1881	15.37+	406	51.9	10.6	30.8
2-3 PM	3673	0.0	1500	1500	2173	15.13+	406	48.9	10.6	30.8
3-4 PM	3936	0.0	OFF	3936	0	5.76	380	46.2	19.7	19.7
4-5 PM	4117	0.0	OFF	4117	0	5.99	407	44.3	18.9	18.9
5-6 PM	4124	0.0	OFF	4124	0	7.79	527	44.3	16.1	16.1
6-7 PM	3085	0.0	OFF	3085	0	3.29	189	54.9	28.7	28.7
7-8 PM	2322	0.0	OFF	2322	0	0.00	0	62.0	62.0	62.0
8-9 PM	1893	0.0	OFF	1893	0	0.00	0	62.8	62.8	62.8
9-10 PM	1846	0.0	OFF	1846	0	0.00	0	63.0	63.0	63.0
10-11 PM	1897	0.0	OFF	1897	0	0.00	0	62.8	62.8	62.8
11PM-MID	1201	0.0	OFF	1201	0	0.00	0	64.1	64.1	64.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0277
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0099

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,620
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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